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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) A process of producing a catalyst, the catalyst including a particulate lump carrier and a catalytic component supported thereon, the process comprising the step of:

carrying out simultaneous revolving and rocking of a treatment container charged with a particulate lump carrier and a catalyst precursor including a catalytic component, such that said catalytic component becomes to be supported on said particulate lump carrier.

2. (previously presented) The process according to claim 1, wherein the catalyst precursor is in the form of a member selected from the group consisting of a powder including the catalytic component, a solution including the catalytic component, and a suspension including the catalytic component.

3. (previously presented) A process of producing a catalyst, the catalyst including a particulate lump carrier and a catalytic component supported thereon, the process comprising the step of:

carrying out simultaneous revolving and rocking of a treatment container charged with a particulate lump carrier and a catalyst precursor including a catalytic component, such that said catalytic component becomes to be supported on said particulate lump carrier, wherein:

a) the treatment container is the shape of a cylinder having a length of 1 to 3 times of its diameter and has

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- a horizontally oriented central axis;
- b) the carrier is charged in an amount of 10 to 60 % of a capacity of the treatment container;
- c) the step of carrying out simultaneous revolving and rocking revolves the treatment container at 5 to 60 rpm around the central axis; and
- d) the step of carrying out simultaneous revolving and rocking rocks the central axis at 1 to 12 spm in an upward and downward rocking angle of 5 to 90°.

4. (previously presented) The process according to claim 3, wherein the catalyst precursor is in the form of a member selected from the group consisting of a powder including the catalytic component, a solution including the catalytic component, and a suspension including the catalytic component.

5. (canceled).

6. (canceled).

7. (new) A process of producing a catalyst, the catalyst including a particulate lump carrier and a catalytic component supported thereon, the process comprising the step of:

carrying out simultaneous revolving and rocking of a capsular treatment container charged with a particulate lump carrier and a catalyst precursor including a catalytic component, such that said catalytic component becomes to be supported on said particulate lump carrier.

8. (new) The process according to claim 7, wherein the catalyst precursor is in the form of a member selected from

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the group consisting of a powder including the catalytic component, a solution including the catalytic component, and a suspension including the catalytic component.